Listing networks

```
PS C:\Users\Woysh\Documents\AY_2020_2021\EEE_197\Week_10\ME8_Containerization_and_Docker\6-networking> docker network ls
NETWORK ID NAME DRIVER SCOPE
de9e32bb1faa bridge bridge local
a3fc5a8b5d95 host host local
2da0ece8c413 none null local
PS C:\Users\Woysh\Documents\AY_2020_2021\EEE_197\Week_10\ME8_Containerization_and_Docker\6-networking>
```

The default bridge network

Starting a ping container and inspect

Dasd

Dasdas

```
PS C:\Users\Woysh\Documents\AY_2020_2021\EEE_197\Week_10\MES_Containerization_and_Docker\6-networking> docker run --rm -d -e PING_TARGET-dummy --name pinger rogue8200/ping:1.0 alla28dsffod31a3e06e0760326769db1ca33bede0952471576200
PS C:\Users\Woysh\Documents\AY_2020_2021\EEE_197\Week_10\MES_Containerization_and_Docker\6-networking> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5762206136475 rogue8200/ping:1.0 "sh -c'ping $PING_T." 5 minutes ago Up 5 minutes
White Ports Name of the PING_TARGET-dummy --name pinger rogue8200/ping:1.0 "alla2800/ping:1.0" alla2800/ping:1.0" alla2800
```

Managing Custom networks

```
PS C:\Users\Woysh\Documents\AY 2020_2021\EEE_197\Week_10\ME8_Containerization_and_Docker\6-networking> docker network ls
NETWORK ID NAME DRIVER SCOPE
de9e32bb1faa bridge bridge local
NETWORK ID
de9e32bb1faa
a3fc5a8b5d95
2da0ece8c413
                                    host
                     host
                                                   local
                                                   local
                     none
 rdadecesters note notine local
779eb1077645 skynet bridge local
PS C:\Users\Woysh\Documents\AY_2020_2021\EEE_197\Week_10\ME8_Containerization_and_Docker\6-networking> <mark>docker</mark> network inspect skynet
           "Name": "skynet",
"Id": "779eb1077645948ef0414637cc6429b4e57ae2226233fdfcb3964db8069f6acd",
"Created": "2021-06-22T19:29:51.64066442",
"Scope": "local",
"Driver": "bridge",
            "EnableIPv6": false,
"IPAM": {
    "Driver": "default",
    "Options": {},
    "Config": [
                            "Subnet": "172.18.0.0/16", 
"Gateway": "172.18.0.1"
          },
"Internal": false,
"Attachable": false,
"Ingress": false,
"ConfigFrom": {
"Network": ""
           },
"ConfigOnly": false,
"Containers": {},
"Options": {},
"Labels": {}
 S C:\Users\Woysh\Documents\AY_2020_2021\EEE_197\Week_10\ME8_Containerization_and_Docker\6-networking> _
```

Adding containers to network

PS C:\Users\Moysh\Documents\AY_2020_2021\EEE_197\Week_10\ME8_Containerization_and_Docker\6-networking> docker run --rm -d --network skynet --name dummy rogue8200/ping:1.0 ccfeac77eda642413013983762e5f503c2cc20ac63c07ab164a182a5e5442f12

Sadas

```
PS C:\Users\Woysh\Documents\WY 2000.2021\EEE. 197\Week_10\WES_Containeriation_and_Docker\6-networking> docker run ==rm = d ==network skynet = PING_TARGET=dummy ==name pinger rogue8200/ping:1.0
pS:CSS333665656765851033605667685410356362108EE. 197\Week_10\WES_Containerization_and_Docker\6-networking> docker logs pinger
PING dummy (172:18.0.2) 20:00.2021\EEE_197\Week_10\WES_Containerization_and_Docker\6-networking> docker logs pinger
PING dummy (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.175 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.088 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.084 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.074 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.084 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.086 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.086 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.086 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.086 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=2 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.087 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.088 ms
66 bytes from dummy.skynet (172:18.0.2) 1:cmp_seq=1 ttl-64 time=0.088 ms
66 bytes from dummy.s
```

Connecting between containers in network

```
POSTICES 62 23 c3 bd 32 n 27 n De Care 24 bd 32 n 27 bd 28 bd 32 n De Care 25 c3 22 c3 bd 32 n 27 bd 28 bd 32 n De Care 25 c3 22 c3 bd 32 n 27 bd 28 bd 32 n De Care 25 c3 22 c3 bd 32 n De Care 25 bd 32 n
```

Binding ports to host

```
Ps C.\Users\Noysh\Documents\N__2020_2021\EEE_197\Neek_10\ME8 Containerization_and_Docker\6-networking> docker run --rm -d --name widgetdb -e POSTGRES_PASSWORD-password --network skynet -p 5432:5432 postgres ebebda:721467389876703681672204068042740409683459051070767678
PS C.\Users\Noysh\Documents\N__2020_2021\EEE_197\Neek_10\ME8 Containerization_and_Docker\6-networking> docker ps
CONTAINER ID IMAGE COMPANIO

COMPANIO IMAGE COMPANIO

COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO COMPANIO
```